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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	NEW 10/563811
				Filing Date	January 9, 2006
				First Named Inventor	Hiroaki MATSUMURA
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	5232-0102PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/X.N./	BA**	JP-2000-196199-A	07-14-2000			
/X.N./	BB**	JP-2002-76518-A	03-15-2002			
/X.N./	BC**	JP-2002-100830-A	04-05-2002			
/X.N./	BD**	JP-11-154770-A	06-08-1999			
/X.N./	BE**	JP-2002-314198-A	10-25-2002			
/X.N./	BF**	JP-8-191171-A	07-23-1996			

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Birch, Stewart, Kolasch & Birch, LLP

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/563,811-Conf. #1910
				Filing Date	January 9, 2006
				First Named Inventor	Hiroaki MATSUMURA
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
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		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known)				
/X.N.	BA	JP-2002-280663-A	09-27-2002			

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10/12/06

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/563,811-Conf. #1910
				Filing Date	June 9, 2006
				First Named Inventor	Hiroaki MATSUMURA
				Art Unk	2828
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	5232-0102PUS1

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/X.N./	AA*	US-4,607,368	08-19-1986	Hori	
/X.N./	AB*	US-5,247,536	09-21-1993	Kinoshita	
/X.N./	AC*	US-2002/0024981-A1	02-28-2002	Tojo et al.	

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/X.N./	BA	JP-2000-196199-A	07-14-2000			
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